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TITLE : MANUFACTURE OF COLORED PARTICLE BOARD

ABSTRACT : PURPOSE: To make it possible to obtain a colored particle board that are excellent in physical properties, free from color migration at high temperature and humidity, and also free from decoration in warm water, by coloring vegetable chips desirably with an aqueous pigment, dye or the like, and adding a binder containing a self-emulsifiable isocyanate compound to the chips.

-CONSTITUTION: As a colorant used, can be mentioned any one of aqueous pigments or dyes that can be used by dissolving or dispersing in water, for example, nonreactive pigments, direct dyes and reactive dyes. When a self- emulsifiable isocyanate compound is used as a binder for vegetable chips, the water content of the chips can be allowed about up to 20%, and the heating time under pressure when they are molded can be reduced to 1/2 to 1/4 of usual case. The stability of the color of the colored particle board can be improved, an there is no color migration at a high temperature and humidity and no discoloration in water.

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